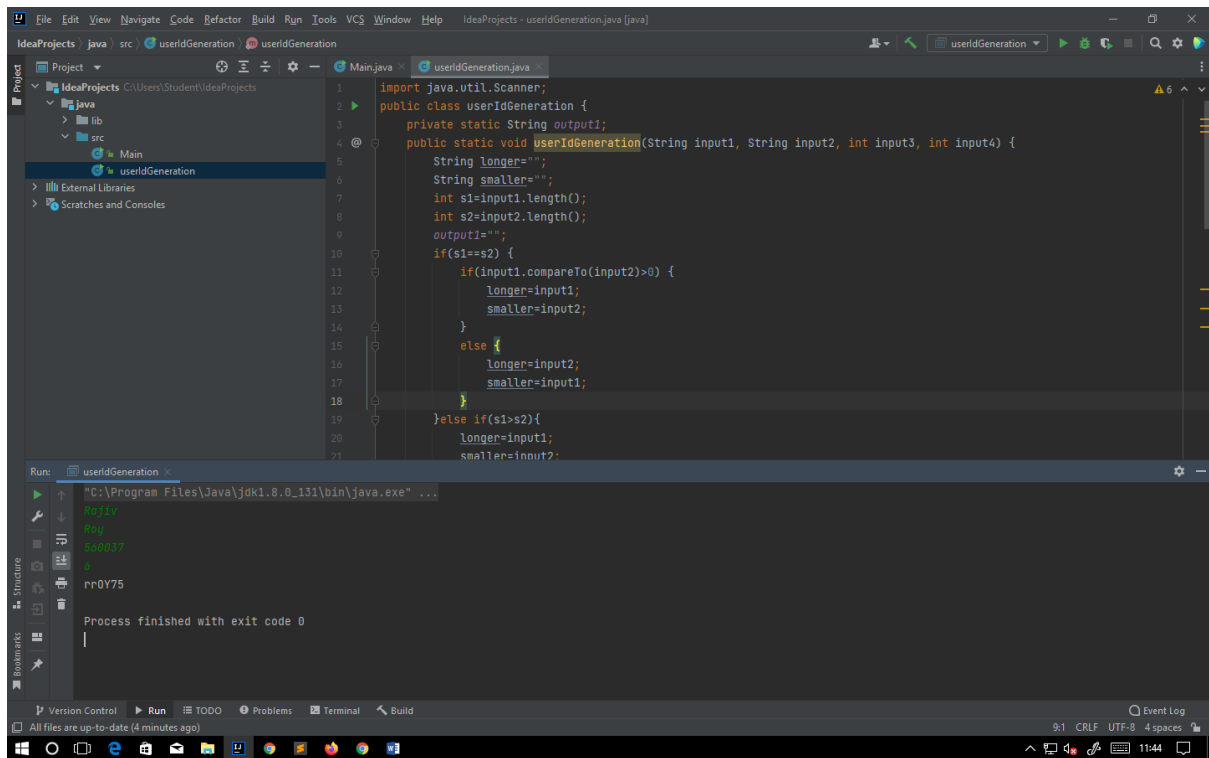


User ID Generation

PROGRAM :

```
import java.util.Scanner;
public class userIdGeneration {
    private static String output1;
    public static void userIdGeneration(String input1, String input2, int
input3, int input4) {
        String longer="";
        String smaller="";
        int s1=input1.length();
        int s2=input2.length();
        output1="";
        if(s1==s2) {
            if(input1.compareTo(input2)>0) {
                longer=input1;
                smaller=input2;
            }
            else {
                longer=input2;
                smaller=input1;
            }
        }else if(s1>s2){
            longer=input1;
            smaller=input2;
        }
        else {
            longer=input2;
            smaller=input1;
        }
        String pin=input3+"";
        String output=longer.charAt(0)+smaller+pin.charAt(input4-
1)+pin.charAt(pin.length()-input4);
        for(int i=0;i<output.length();i++) {
            if(Character.isUpperCase(output.charAt(i))) {
                output1+=Character.toLowerCase(output.charAt(i));
            }
            else if(Character.isLowerCase(output.charAt(i))) {
                output1+=Character.toUpperCase(output.charAt(i));
            }
            else {
                output1+=output.charAt(i);
            }
        }
    }
}
public static void main(String[] args) {
    /* Do NOT Alter main() */
    Scanner in=new Scanner(System.in);
    String input1=in.next();
    String input2=in.next();
    int input3=in.nextInt();
    int input4=in.nextInt();
    userIdGeneration(input1, input2, input3, input4);
    System.out.println(output1);
}
}
```

OUTPUT :



The screenshot displays an IDE window with the following components:

- Project Explorer:** Shows a project named 'IdeaProjects' with a sub-project 'userldGeneration' containing a 'Main' class.
- Code Editor:** Contains the following Java code:

```
1 import java.util.Scanner;
2 public class userldGeneration {
3     private static String output1;
4     public static void userldGeneration(String input1, String input2, int input3, int input4) {
5         String longer="";
6         String smaller="";
7         int s1=input1.length();
8         int s2=input2.length();
9         output1="";
10        if(s1==s2) {
11            if(input1.compareTo(input2)>0) {
12                longer=input1;
13                smaller=input2;
14            }
15            else {
16                longer=input2;
17                smaller=input1;
18            }
19        }else if(s1>s2){
20            longer=input1;
21            smaller=input2;
```

The code is a static method that takes four parameters: two strings and two integers. It compares the lengths of the two strings. If they are equal, it compares them lexicographically. If one is longer, it identifies the longer and smaller strings. The results are stored in 'longer' and 'smaller' variables, and the result is printed to the console.

- Run Console:** Shows the execution of the program. The output is:

```
rr0Y75
```

Below the output, it states "Process finished with exit code 0".

- Bottom Bar:** Includes tabs for 'Version Control', 'Run', 'TODO', 'Problems', 'Terminal', and 'Build'. The status bar at the bottom right shows '9:1 CRLF UTF-8 4 spaces' and the time '11:44'.